

PATENT

Atty. Dkt. No. ATT/2002-0165

IN THE SPECIFICATION

This following Abstract will replace all prior versions of the Abstract in the application:

Abstract of Disclosure

The present invention is directed to a novel scalable packet-switched network routing method and system that utilizes modified traffic engineering mechanisms to prioritize tunnel traffic and non-tunnel traffic. The method includes the steps of receiving a request to establish a traffic engineering tunnel across the packet-switched network. Then at a router traversed by the traffic engineering tunnel, a queue for packets carried inside the traffic engineering tunnel is created. Subsequently, bandwidth for the queue is reserved in accordance with the request to establish the traffic engineering tunnel, wherein the queue created for packets carried inside the traffic engineering tunnel is given priority over other traffic at the router and the reserved bandwidth for the queue can only be used by packets carried inside the traffic engineering tunnel.